15. (Amended) A fuel cell, comprising:

an anode support plate and a cathode support plate and a membrane electrode assembly disposed between said anode and cathode support plates, said membrane electrode assembly comprising a polymer electrolyte membrane, one of said support plates comprising a hydrophilic substrate layer having pores therein;

a water transport plate adjacent to each said hydrophilic substrate layer, said water transport plate having a passageway for a coolant stream and another passageway for a reactant gas stream; and

[means for creating] a source providing said coolant stream with a pressure differential between said [reactant gas] coolant stream and said [coolant] reactant gas stream such that the pressure of said [reactant gas] coolant stream is [higher] lower than the pressure of said [coolant] reactant gas stream.

20. (Amended) A method of operating a fuel cell comprising an anode support plate and a cathode support plate and a membrane electrode assembly disposed between said anode support plate and said cathode support plate, said membrane electrode assembly comprising a polymer electrolyte membrane, at least one of said support plates comprising a hydrophilic substrate layer having pores therein, said fuel cell power plant comprising a water transport plate adjacent to each said hydrophilic substrate layer, said water transport plate having a passageway for a coolant stream and another passageway for a reactant gas stream;

characterized by:

[creating] providing said coolant stream with a predetermined pressure differential between said [reactant gas] coolant stream and said [coolant] reactant gas stream such that the pressure of said [reactant gas] coolant stream is [higher] lower than the pressure of said [coolant] reactant gas stream.